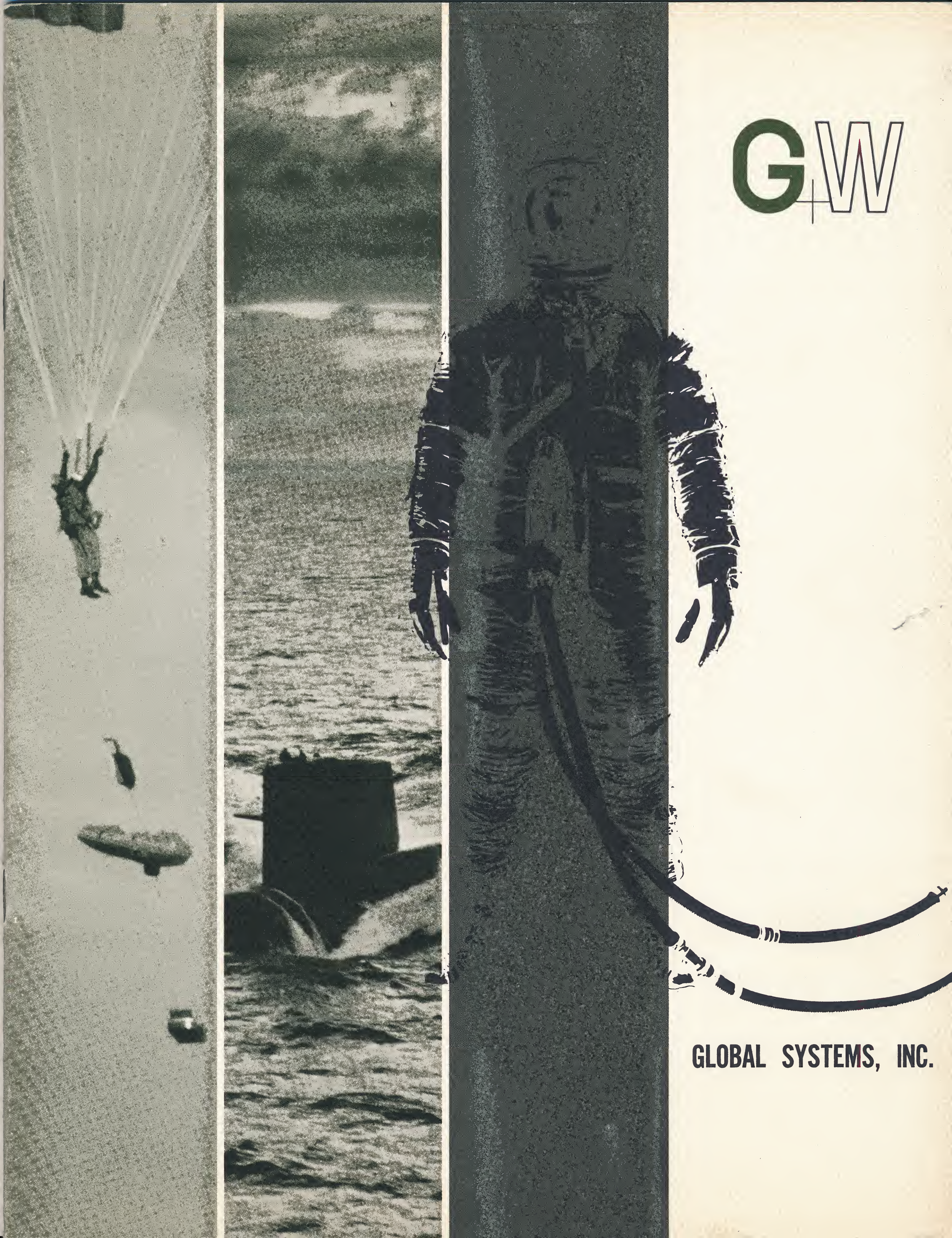


G+W

GLOBAL SYSTEMS, INC.

U.S. AIR FORCE
60769
FG-769
USAF
NAVY
U.S. AIR FORCE
FH-111
40111

G+W

Global Systems, Inc., a subsidiary of Gulf + Western Industries, Inc., combines the research, development and production capabilities of six companies to better serve the airborne, ground support, communications and survival requirements of military, naval, scientific and commercial systems ranging from subsea to areospace vehicles, but more generally concerned with aircraft and communication units operating within the earth's atmosphere and near-space environments.

These companies include:

AIRBORNE RESEARCH AND DEVELOPMENT CORPORATION
Sun Valley, California

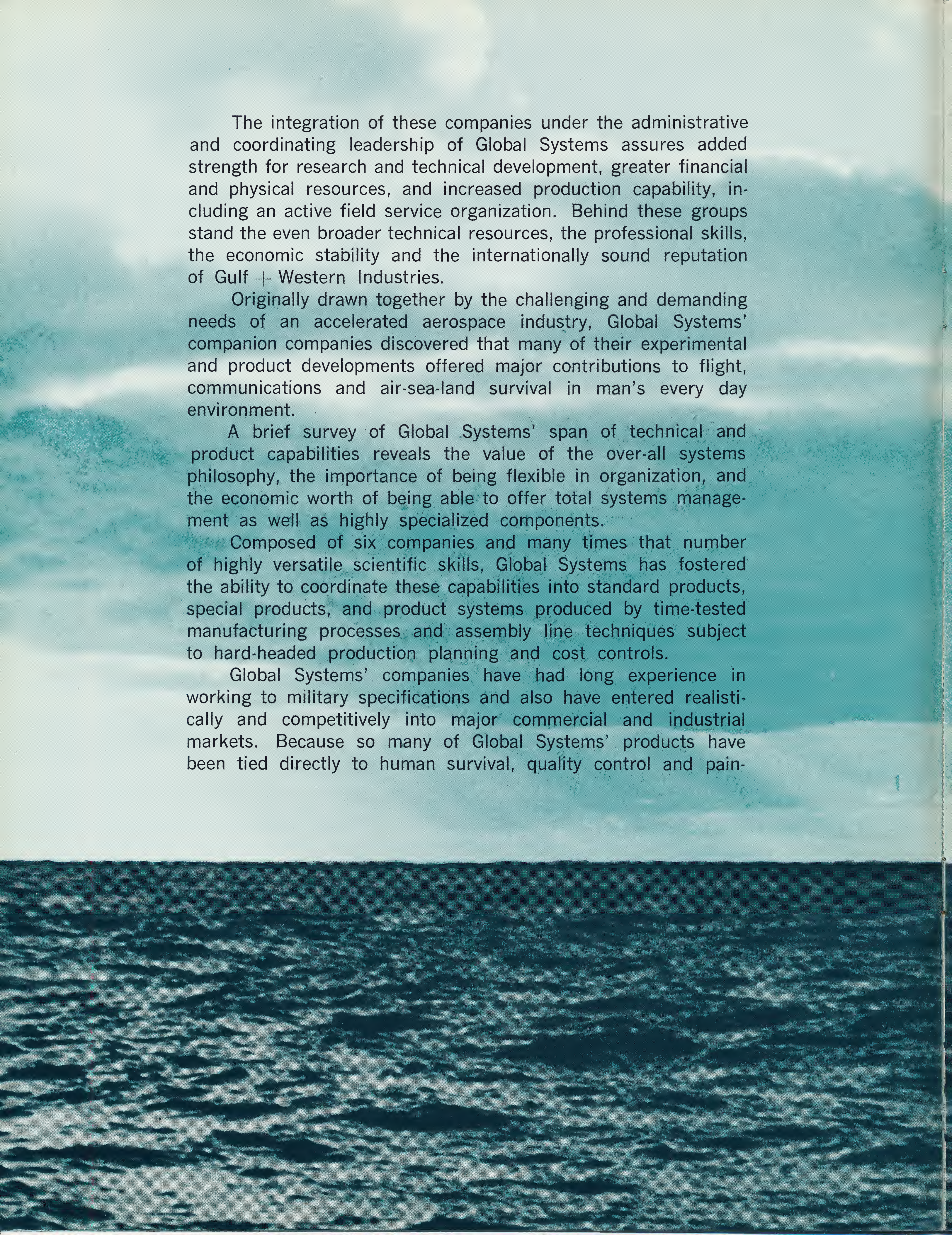
CONRAD, INC.
Holland, Michigan

GENERAL PRODUCTS CORPORATION
Union Springs, New York

H. KOCH & SONS, INC.
Corte Madera, California

INTERNATIONAL TELEMETER CORPORATION
Los Angeles, California

ROCKET JET ENGINEERING CORPORATION
Glendale, California



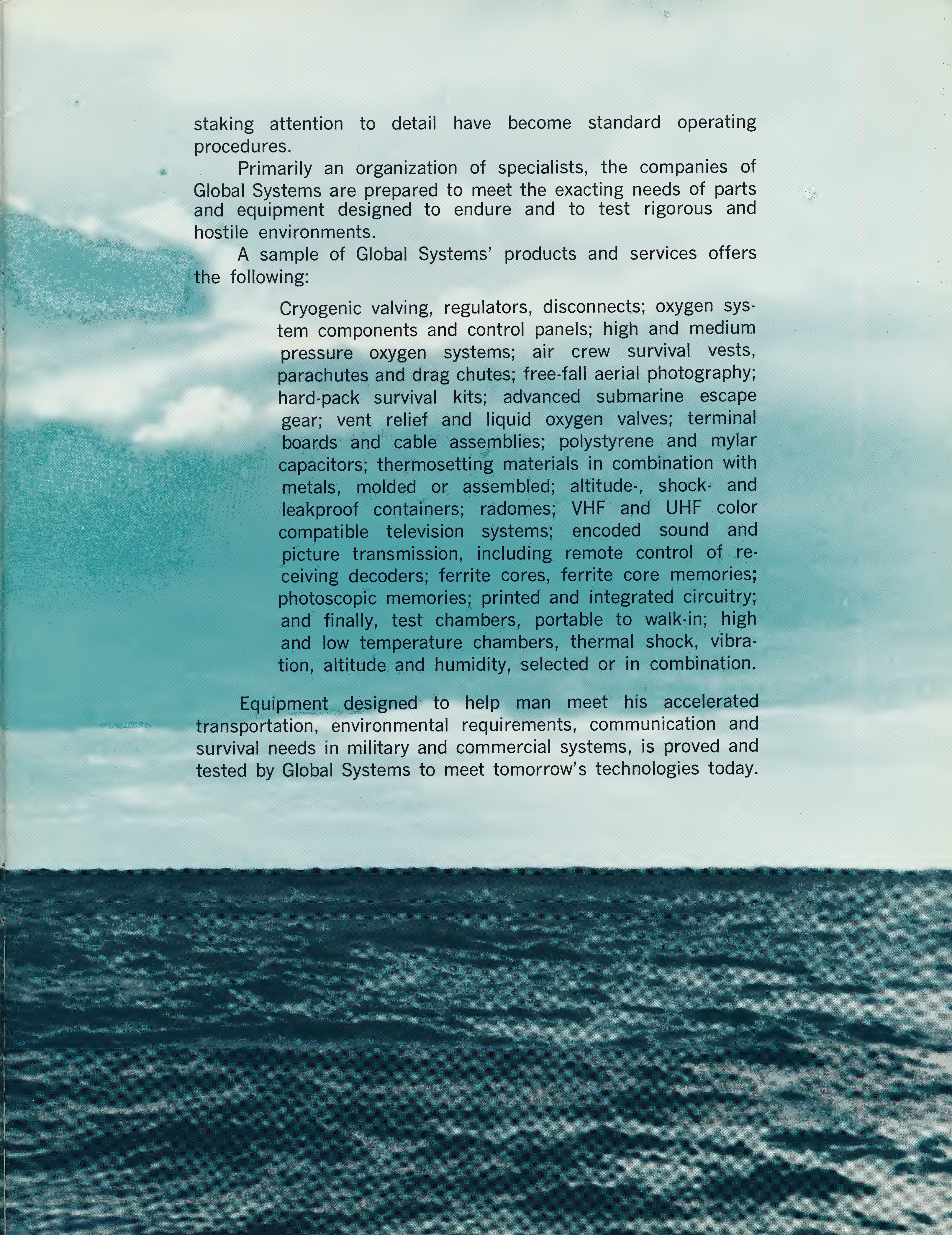
The integration of these companies under the administrative and coordinating leadership of Global Systems assures added strength for research and technical development, greater financial and physical resources, and increased production capability, including an active field service organization. Behind these groups stand the even broader technical resources, the professional skills, the economic stability and the internationally sound reputation of Gulf + Western Industries.

Originally drawn together by the challenging and demanding needs of an accelerated aerospace industry, Global Systems' companion companies discovered that many of their experimental and product developments offered major contributions to flight, communications and air-sea-land survival in man's every day environment.

A brief survey of Global Systems' span of technical and product capabilities reveals the value of the over-all systems philosophy, the importance of being flexible in organization, and the economic worth of being able to offer total systems management as well as highly specialized components.

Composed of six companies and many times that number of highly versatile scientific skills, Global Systems has fostered the ability to coordinate these capabilities into standard products, special products, and product systems produced by time-tested manufacturing processes and assembly line techniques subject to hard-headed production planning and cost controls.

Global Systems' companies have had long experience in working to military specifications and also have entered realistically and competitively into major commercial and industrial markets. Because so many of Global Systems' products have been tied directly to human survival, quality control and pain-



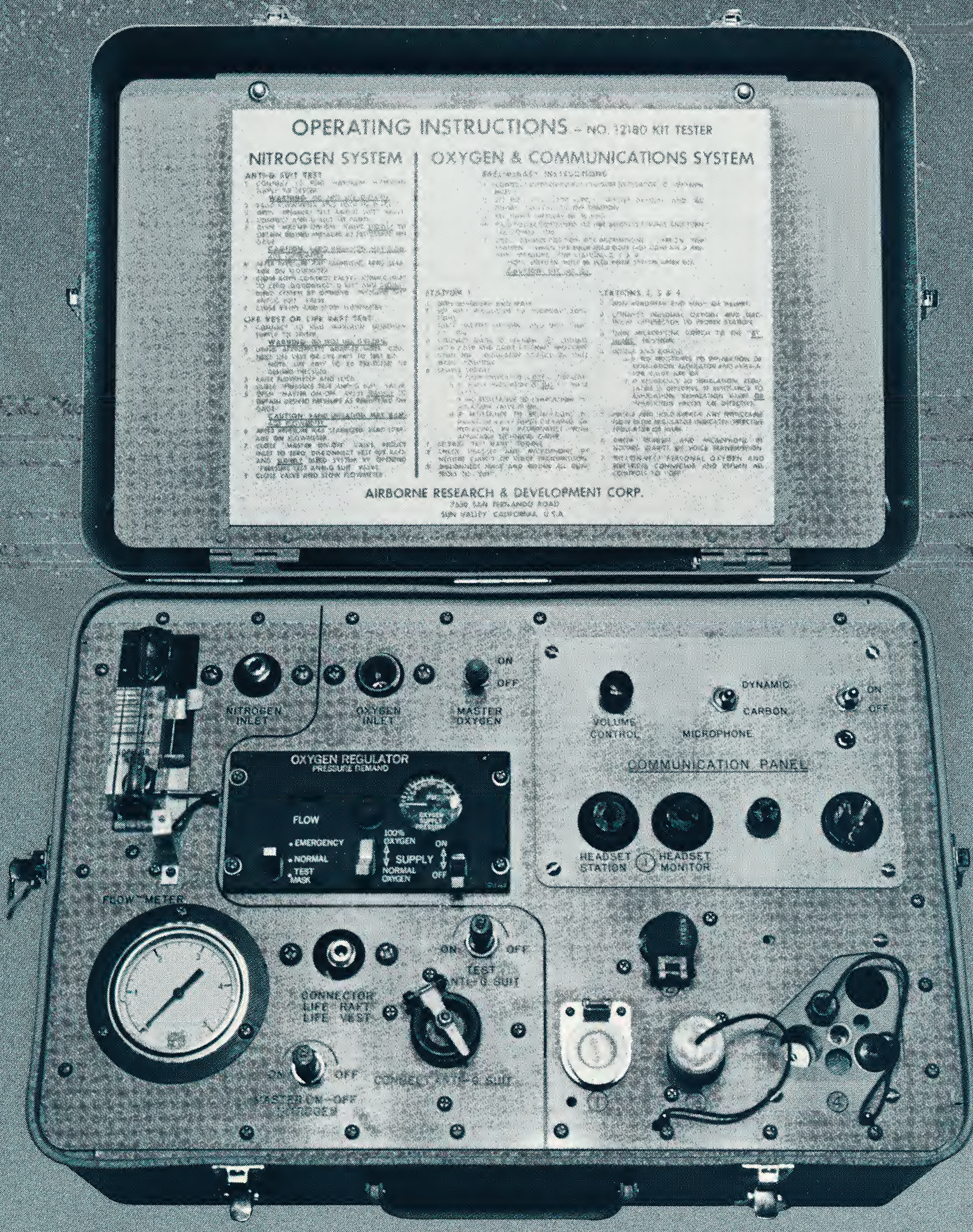
staking attention to detail have become standard operating procedures.

Primarily an organization of specialists, the companies of Global Systems are prepared to meet the exacting needs of parts and equipment designed to endure and to test rigorous and hostile environments.

A sample of Global Systems' products and services offers the following:

> Cryogenic valving, regulators, disconnects; oxygen system components and control panels; high and medium pressure oxygen systems; air crew survival vests, parachutes and drag chutes; free-fall aerial photography; hard-pack survival kits; advanced submarine escape gear; vent relief and liquid oxygen valves; terminal boards and cable assemblies; polystyrene and mylar capacitors; thermosetting materials in combination with metals, molded or assembled; altitude-, shock- and leakproof containers; radomes; VHF and UHF color compatible television systems; encoded sound and picture transmission, including remote control of receiving decoders; ferrite cores, ferrite core memories; photoscopic memories; printed and integrated circuitry; and finally, test chambers, portable to walk-in; high and low temperature chambers, thermal shock, vibration, altitude and humidity, selected or in combination.

Equipment designed to help man meet his accelerated transportation, environmental requirements, communication and survival needs in military and commercial systems, is proved and tested by Global Systems to meet tomorrow's technologies today.



From pioneering the development of unique valve assemblies and disconnect mechanisms for use in the transmission of liquid oxygen, Airborne Research and Development Corporation has expanded rapidly with the introduction of related systems and components in the fields of cryogenics, pneumatics, survival equipment and hose assemblies. Combined, they have established the company as a leader in advanced flight technologies.

In addition to the production of oxygen and communications hose assemblies and the development of air crew survival vests, parachutes and drag chutes, Airborne Research and Development Corporation has made major design advances in the field of rapid inflation systems for life rafts and aircraft escape slides.

Equally original has been the company's development of the capability for free-fall aerial photography to document system testing of life support components and concepts. This technique has since been made available to federal and private agencies with similar fields of interest.

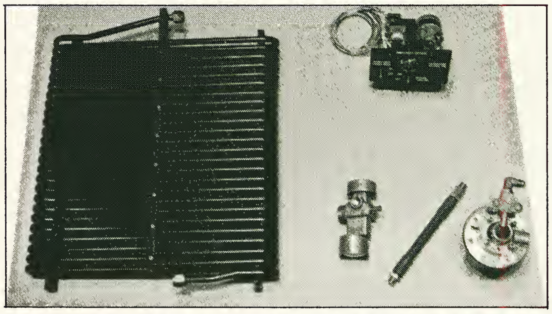
ARDC

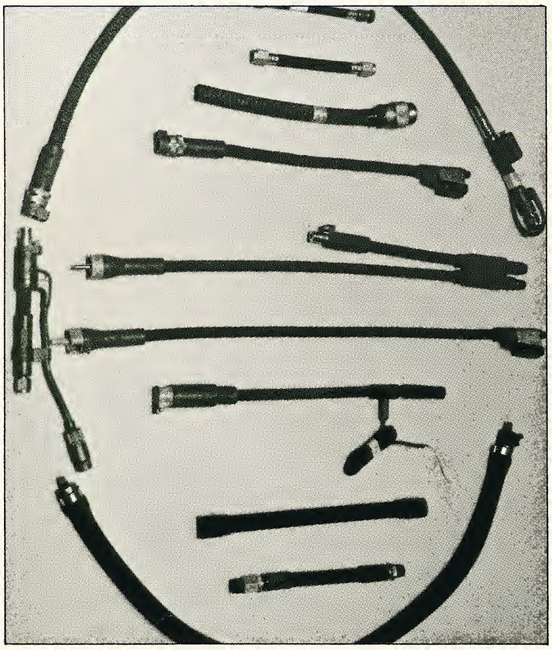
AIRBORNE RESEARCH AND DEVELOPMENT CORPORATION
7530 San Fernando Road ● Sun Valley, California 91352 ● (213) 875-0350

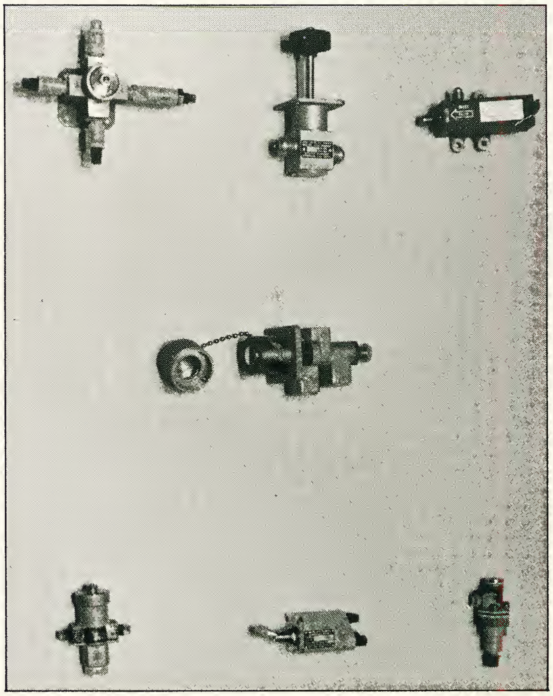
Products of the Airborne Research and Development Corporation include both individual components and complete systems. These include: specialized hose assemblies incorporating oxygen and communications capabilities, cryogenic units for filling back packs and infra-red cooling equipment, electrical cable systems with all required connector devices, a complete series of cryogenic valve assemblies and heat exchangers and singularly-sophisticated valve and electric disconnect components for use in the transmission of nitrogen and oxygen in both gaseous and liquid forms.

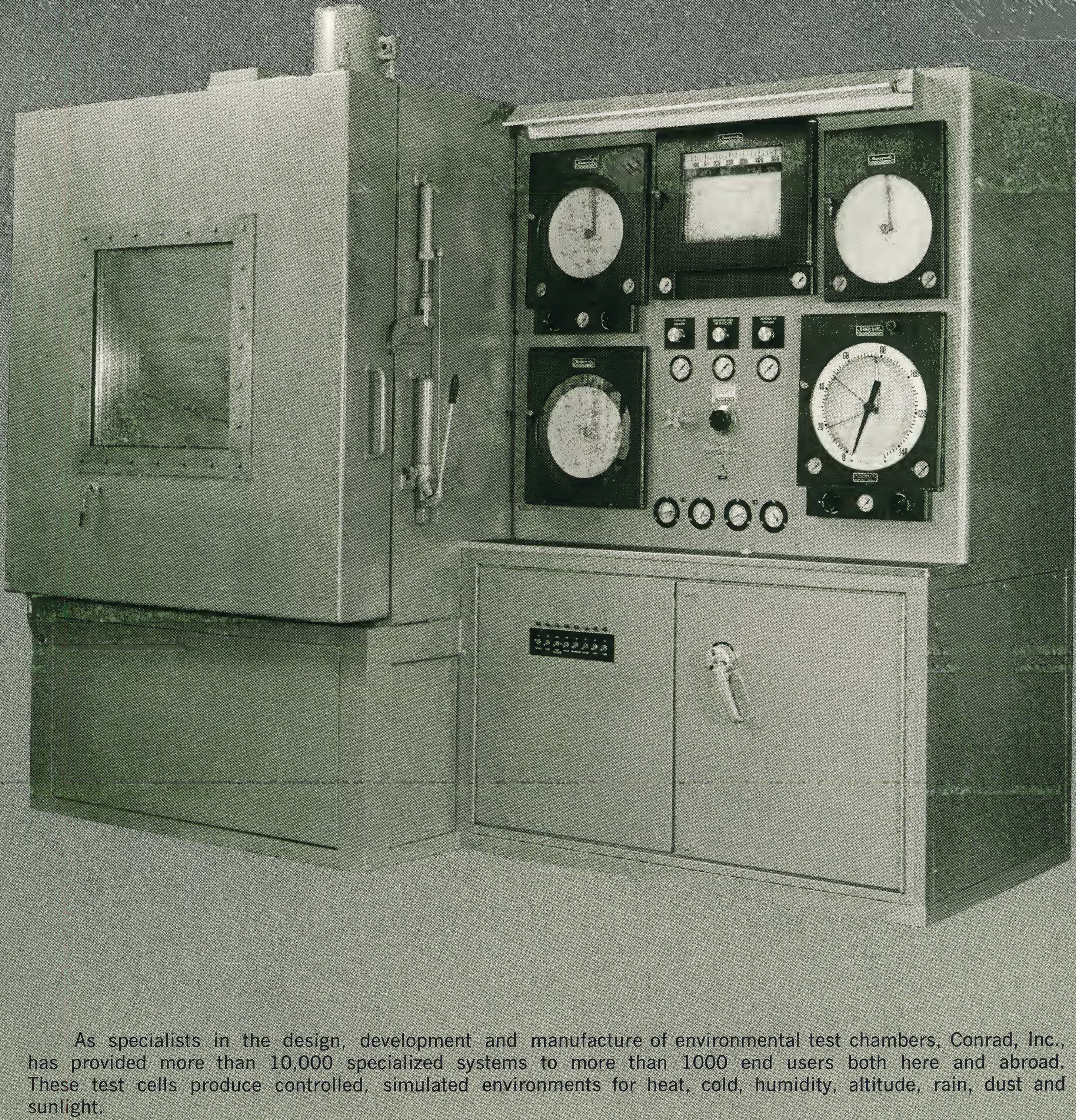
Airborne Research and Development Corporation has designed and developed a multi-purpose tester for aircrewmen which provides a continuous check on inflation for anti-G equipment and garments as well as both communications and breathing equipment. Survival systems and components manufactured by the company include oxygen and breathing regulators, anti-hyperventilation valves, hostile environment pressure operating switches, oxygen breathing systems and pressure regulators designed specifically for use in pressure suit applications. It is also responsible for the design, development and manufacture of a series of oxygen control panels, incorporating pressure and standard converter liquid quantity gauges.

1. *Air crew survival vest.*
2. *Rapid inflation system, heat exchanger and oxygen control panel.*
3. *Hoses for military and commercial usage in breathing, anti-G, venting, pressure sensing and cryogenic systems.*
4. *Cryogenic, pneumatic and ballistic valves and regulators.*









As specialists in the design, development and manufacture of environmental test chambers, Conrad, Inc., has provided more than 10,000 specialized systems to more than 1000 end users both here and abroad. These test cells produce controlled, simulated environments for heat, cold, humidity, altitude, rain, dust and sunlight.

In addition to a built-in expansion capability which provides for the retrofitting of existing chambers, Conrad, Inc., includes in its designs, the adaptation of individual units for dual chamber capability. Control panels designating the flow of equipment in utilization, dual instrumentation, operating panels which accept additional control units when required, and the means for seismic blocking to dampen vibrator excitor reaction forces also have been included. Chambers manufactured to order range in size from less than a cubic foot to more than 4300 cubic feet and have been variously designed to reflect changes in one or several environmental elements as required.

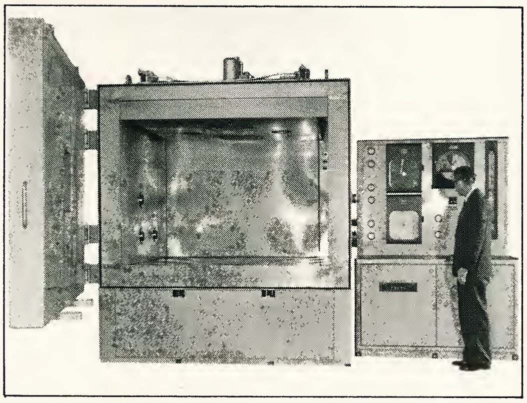
CONRAD, INC.

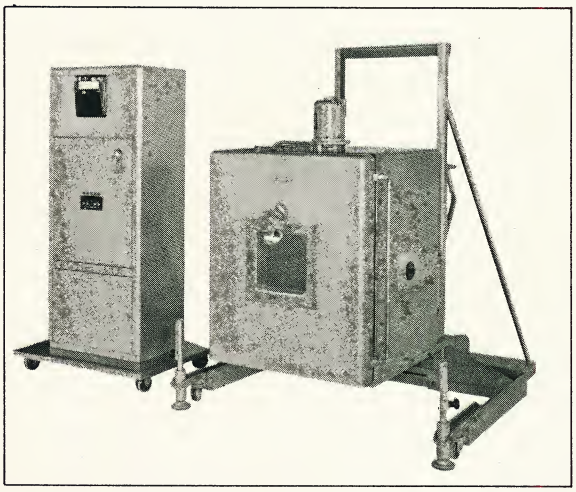
Conrad Square • Holland, Michigan 49423 • (616) 392-3161

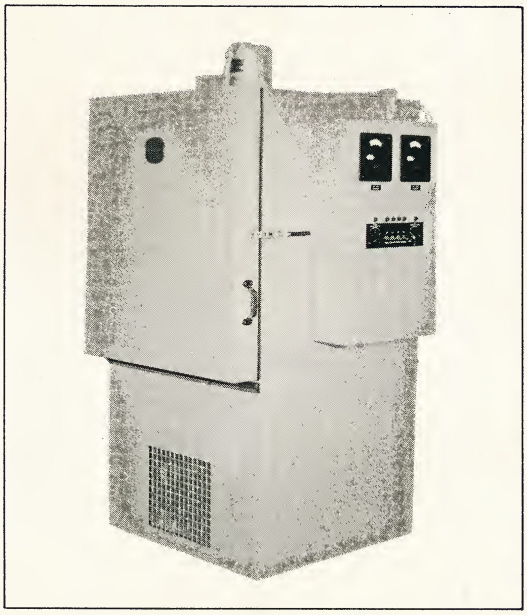
Concentration in the design, development and manufacture of environmental test chambers has established Conrad, Inc., as a major supplier in this highly specialized field. The company's product line includes a variety of chambers for the exploration of thermal shock, low temperature, high temperature, altitude, vibration and space humidity phenomena in fixed or mobile testing units. These chambers are available as a single unit, or a testing system for the simulation of one or more environments in succession or in combination. Design capability includes environmental chambers which simulate a repetitive altitude up to 600,000 feet.

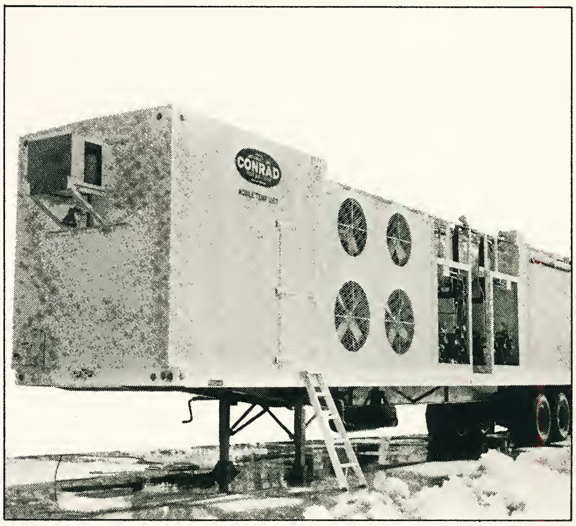
Units produced by Conrad, Inc., are used to subject samples to continuous freeze-and-thaw conditions, to test prototype and preproduction designs, and for use in the freeze fitting of machined parts. Others simulate thermal shock and provide for low and high temperature testing of systems and components at altitudes using 95 percent oxygen and humidity. The company has designed, developed and produced environmental test chambers for mounting on 50-foot trailers to use in remote area testing under unique conditions of humidity, high and low temperature and without hazard to population centers.

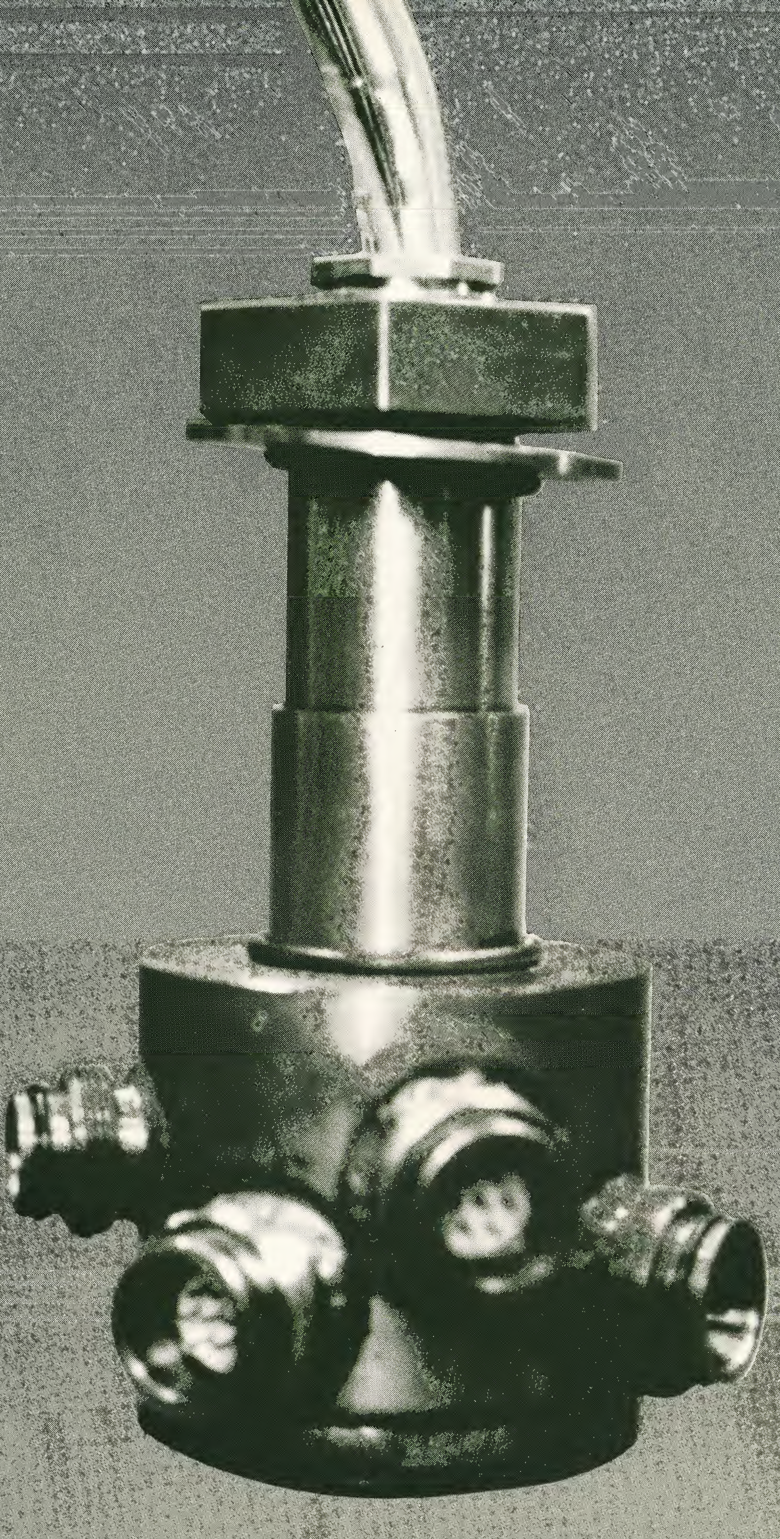
1. *Altitude-temperature testing chamber with automatic programming equipment.*
2. *Vibration testing chamber.*
3. *Temperature-humidity testing chamber.*
4. *Trailerized mobile temperature unit, capacity 180,000 BTU's per hour at minus 85 degrees F.*











More than four decades of research and development in the field of electrical and electronic components have established General Products Corporation's reputation as a supplier to the industry. Devices, including complex thermosetting molding with inserts, originally developed for the automotive, military and industrial fields, have been further refined into bonded submarine cable assemblies, missile control hardware, engine ignition components and highly accurate capacitors for lighting and telemetry. Continuous research efforts have resulted in new types of capacitors, economical innovations in plastic moldings and audio-visual warning devices for use in general military and other airborne applications.

Experience and capability have combined in the development of internally-mounted alternator capacitor assemblies which feature a self-healing dielectric which eliminates short circuits and assures total reliability. Much of the original research on film and other dielectrics was undertaken and performed within the company's facilities. Precision molding, processing and assembly skills, including the bonding of polyurethane rubber to various cable assemblies, have enabled the company to design, develop and produce in quantity, custom made solutions to complex mechanical problems for both military and industrial applications.

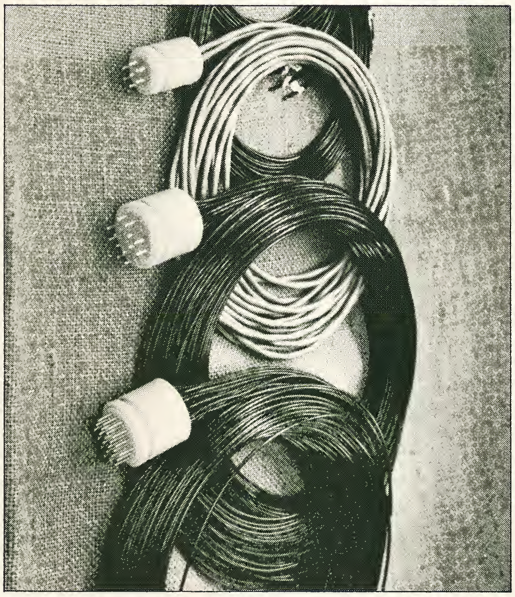
GENERAL PRODUCTS CORPORATION

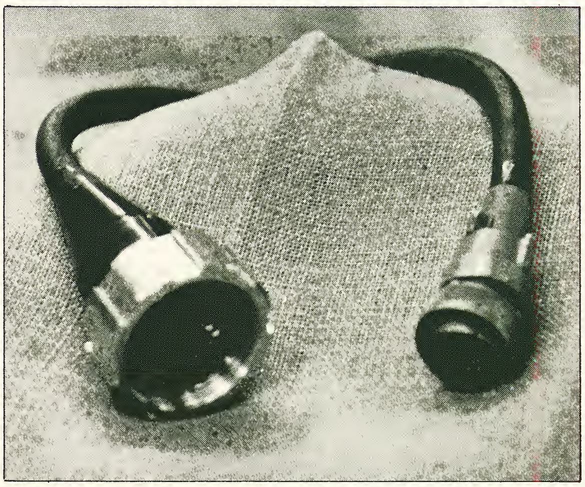
Union Springs, New York 13160 ● (315) 889-7361 TWX (710) 542-0210

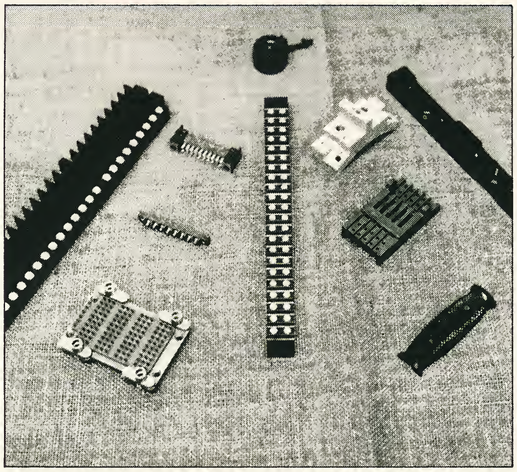
Specialized capacitors, terminal boards and other components developed for telemetry systems by General Products Corporation are currently being produced using a unique construction method for high-pass filter capacitors that provides the greatest degree of noise suppression yet attained. These synthetic dielectric or film capacitors are designed for special applications which require close tolerance, minimum leakage and high stability. Continuous research has made possible insulating characteristics that combine minimum size, high mechanical strength, maximum resistance and increased heat resistance for advanced applications in which the degree of various forces was able to be simulated accurately.

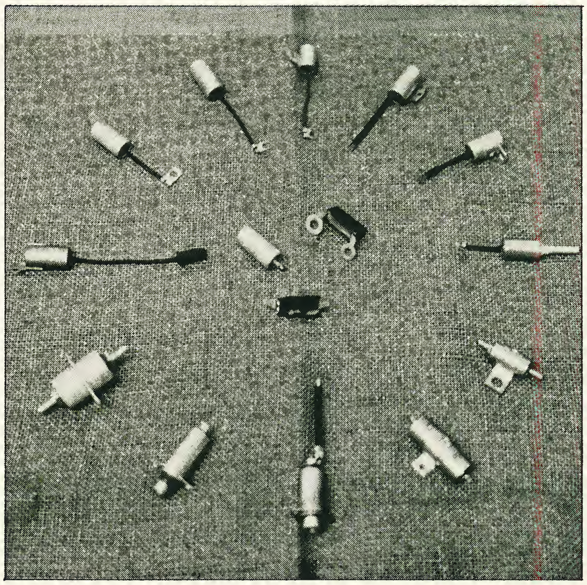
The company has produced magnetic switches for use in demanding weapon systems as well as pressure-proof cable assemblies, epoxy connectors and insert assemblies bonded to various types of wire and underwater cables for multiple-hull assembly in the field of underseas technology. In addition, the company has perfected and introduced highly refined versions of standard military terminal boards and connectors widely used in applications which require a consistent degree of high quality.

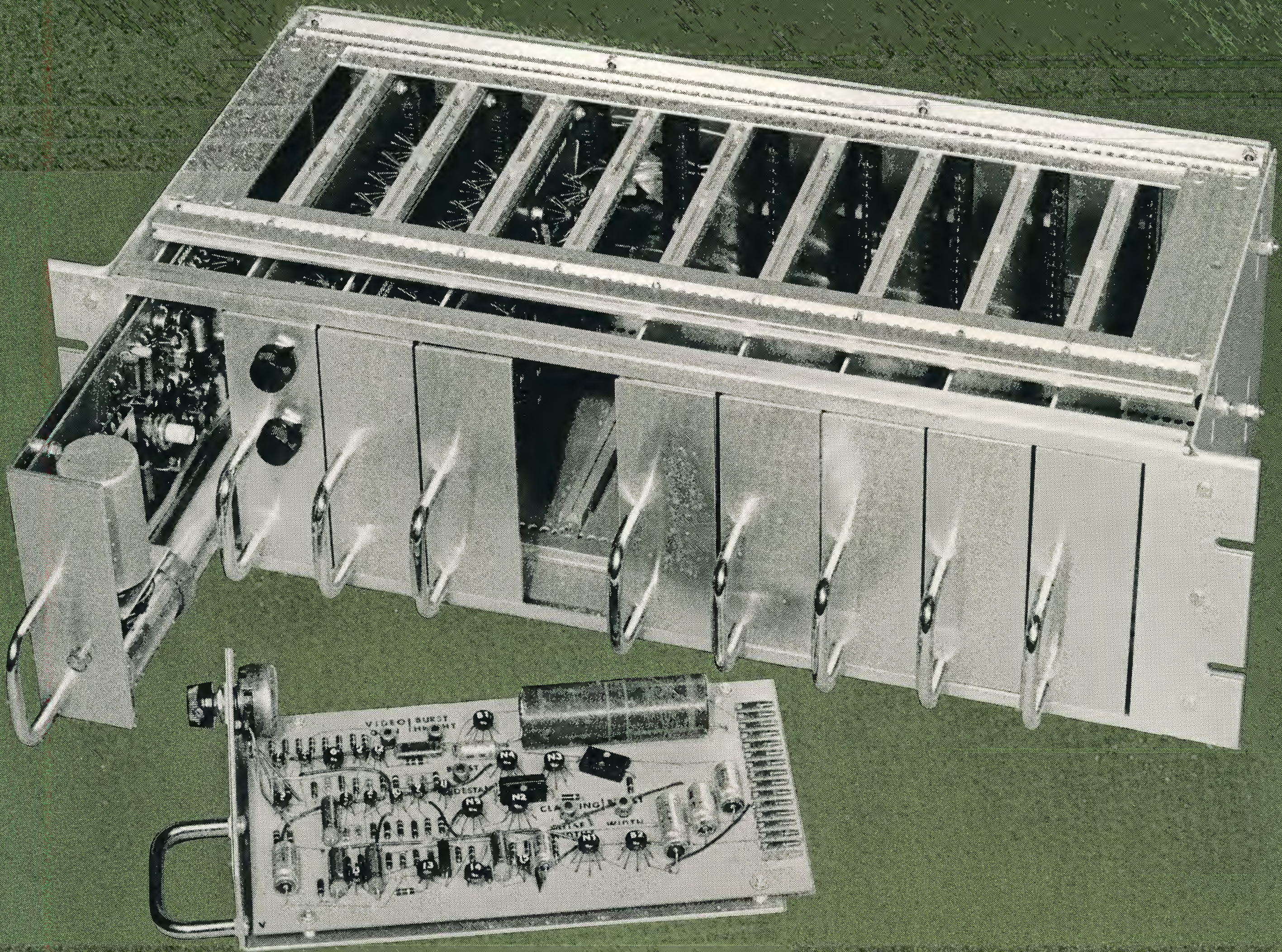
1. *Molded connectors—epoxy.*
2. *Cable assembly—pressure proof.*
3. *Moldings—thermoset plastic.*
4. *Capacitors—specialized dielectric and film.*











By applying experience gained in the field of ground communications to the aerospace field, International Telemeter Corporation has earned a unique position in the field of air to air and air to ground communications. In addition to the transmission of information through both voice and image media, the company has explored impulse activation of system components. It has pioneered in all aspects of radio and frequency communications, complex signal processing and multiplexing, computer and digital techniques, solid state and vacuum tube technology, mechanical engineering of complex mechanisims, product design and manufacture, printed and integrated circuitry.

In addition to a complete system of integrated finished products, it has been responsible for the design, development and production of ferrite core memories and ferrite cores, photoscopic memory systems and other individual components. The company is in a position to develop closed-circuit television systems for ground-to-ground and ground-to-air communications.

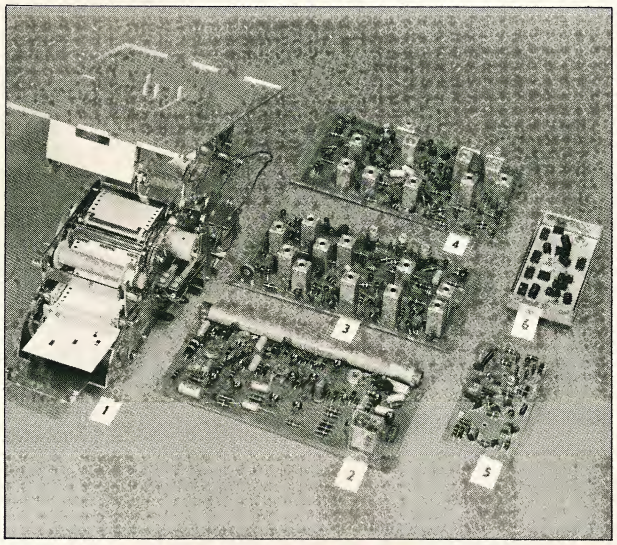
INTERNATIONAL TELEMETER CORPORATION

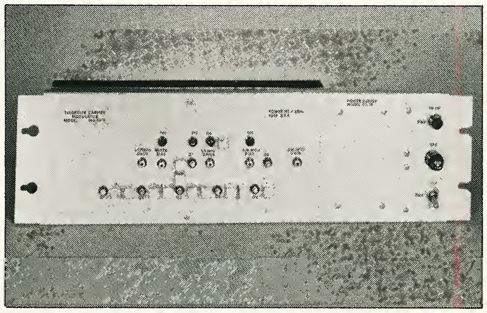
2000 Stoner Avenue ● Los Angeles, California 90025 ● (213) 272-7758 478-7751

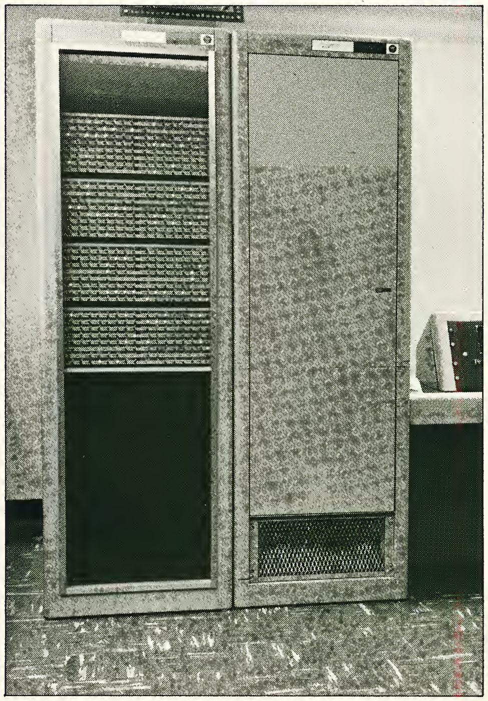
In its development of integrated communications systems, International Telemeter Corporation has perfected a broad-range line of products that includes single-channel, broad-band and AGC amplifiers, channel frequency converters, transmitters and control equipment. In addition, the company manufactures scrambling and unscrambling devices, key code generators, pulse and identifying code generators along with a complete line of data utilization circuitry. Each component is manufactured to rigid specifications and is assembled into complete integrated systems.

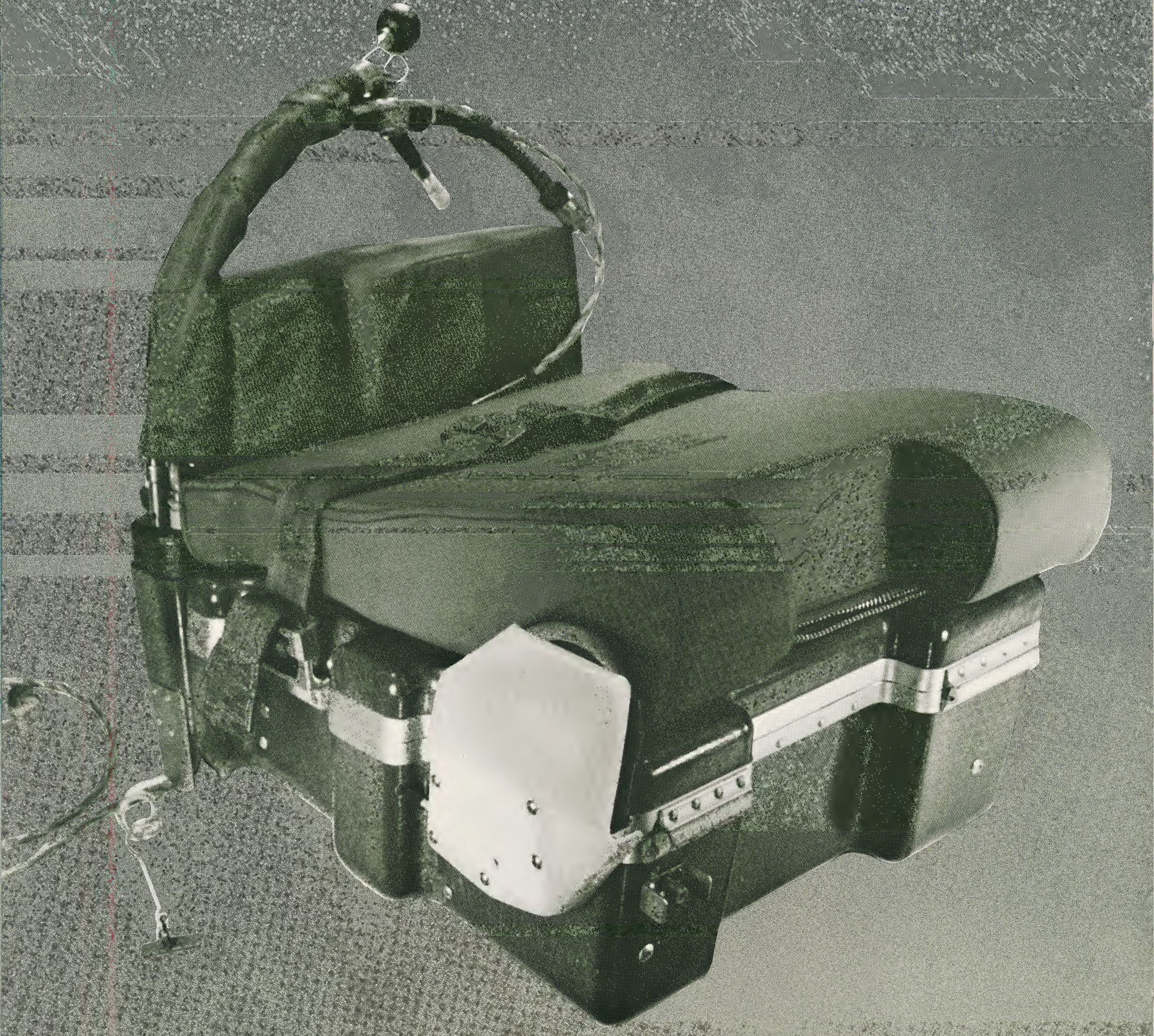
In addition to a complete line of closed circuit signal distribution equipment, the company manufactures high-gain channel amplifiers, multi-channel passive mixers, broadband line amplifiers, equalizers, variable attenuators, splitters and auxiliary equipment. Each of these components is designed specifically to meet a high level of reliability; completed systems are designed and integrated so that failure of one element will not result in a breakdown of the system. The company is also utilizing extensive capabilities in aircraft navigational techniques, other aspects of communications and the incorporation of digital systems into the impulse activation of individual aircraft components.

1. *Typical components developed by Telemeter:*
    1. Printer — 2. Logic circuit board — 3. and 4. Video and audio decoding circuit boards — 5. Output converter circuit board — 6. VHF filter.
2. *Telemeter power supply.*
3. *View of Telemeter engineering laboratory.*
4. *Telemeter accounting machine.*









Components packaging provided H. Koch & Sons, Inc., with a foothold in systems design that has since been expanded to include other products of molded fiberglass as well as aeronautical hardware manufactured from various metals. In many cases, products were developed in answer to specific requests from government agencies and industrial users; in others, the company pioneered in their development and was able to present finished integrated systems. Today, the company produces a complete product line of aeronautical hardware, products of molded fibreglass and equipment for specialized vacuum packaging.

Company capabilities have been tested with a variety of assignments, including the development of packaging resistant to shock, vibration, moisture, vapor, corrosion, fungus and mildew that would withstand a 400-foot parachute drop and indefinite submersion in water and under ice. The company also developed a radome that was conical in shape and virtually perfect in electrical uniformity, a variety of survival and escape system components and a specialized parachute canopy release for use in both conventional aircraft and space vehicles that consists of a finger operated quick connect and quick disconnect device. In addition, the company has been involved with the development of deploy tubes.

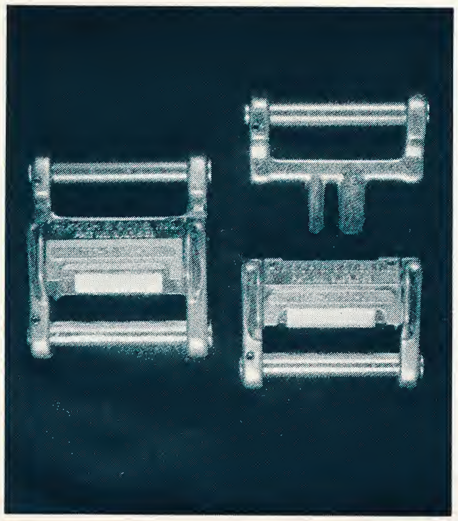
H. KOCH & SONS, INC.

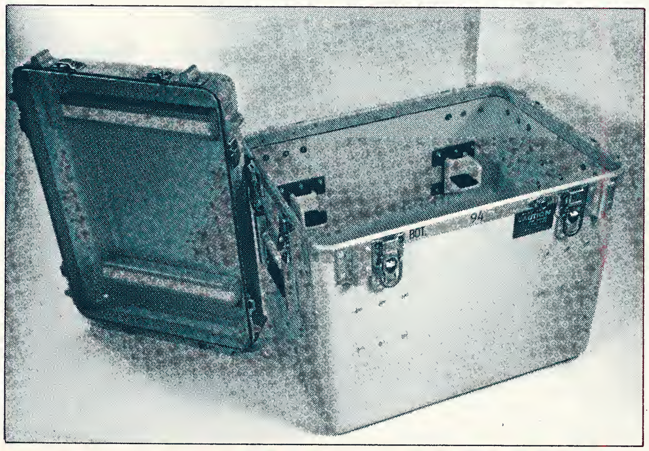
Box 127 ● Corte Madera, California 94925 ● (415) 924-3510

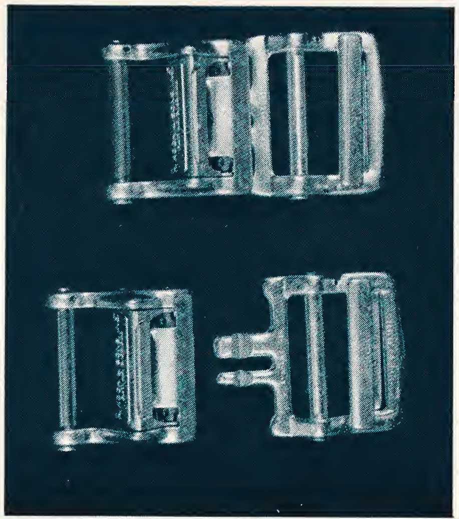
Among the products produced by H. Koch & Sons, Inc., are survival kits, parachute hardware, aircraft lap belts, oxygen disconnects, cargo releases and aircraft radomes, nozzles, nose cones, liners and other components of high temperature, reinforced plastic. In addition, the company produces a complete line of liquid oxygen converter couplings, ejection seat lap belt snaps and fittings, missile recovery system timers, electro-mechanical actuators and inertia reels. Complete systems capability permits combining of individual elements into systems such as the company's precision-built survival kit.

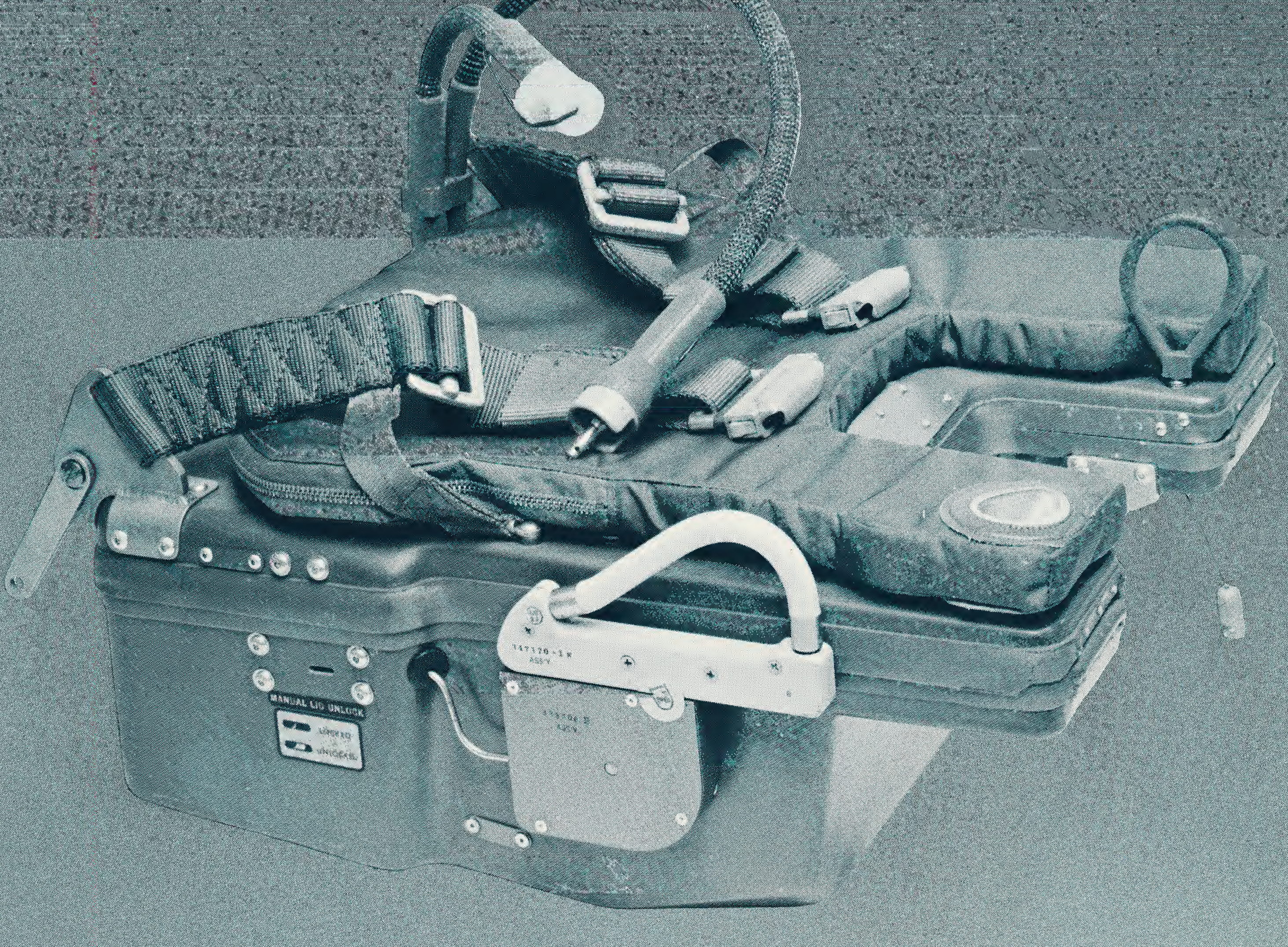
In the field of packaging produced from fiberglass, H. Koch & Sons manufactures an array of containers that can be supplemented with the in-plant installation of molded, rubberized, curled hair pads, foam pads or specialized mechanical mounts. The basic container may be fitted to receive electronic apparatus so that instrumentation can be achieved without removal. Hardware can be cadmium plated, passivated or anodized to meet specific requirements; the company also produces ground support equipment from fiberglass that includes safety flooring and platforms, floats, runways, pontoons and decking for installation where needed for convenience, safety or increased efficiency of operating personnel.

1. *United States Air Force canopy release.*
2. *Fiberglass instrument case showing pressure seal gasket.*
3. *United States Navy canopy release.*
4. *Fiberglass docking.*









As the first to develop survival kit hardware and components of the configuration required for advanced aerospace technology, Rocket Jet Engineering Corporation is today a leader in the design, development and production of quality escape systems and survival equipment. Increasingly stringent demands continually establish new and changing criteria for survival and escape which are reflected in research and development programs carried on within the facilities of the company. Some are directed to equipment destined for vehicles yet to be launched; others are devoted to retrofitting those already phased out of production in order to extend their service life.

Continuous research has resulted in new fiberglass and plastic in-plant capabilities that have lead not only to increased quality and sophistication in existing products but also add to the present facilities a complete systems capability in the field of man's survival in the terristerial environment. Of special significance are the results of study in the techniques of escape and survival on the ground as well as those employed in underseas technology. Varied requirements for helicopters and other single-purpose vehicles are under development to aid in the survival and rescue of personnel exposed to hostile environments, as for example an individual survival kit was designed to provide military aircrew members with a variety of tools and various medical and sustinance components to enable a man to survive under adverse conditions.

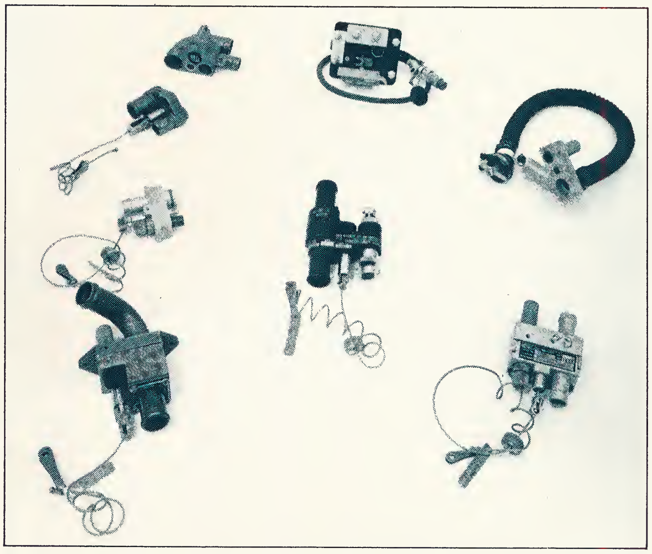
ROCKET JET ENGINEERING CORPORATION

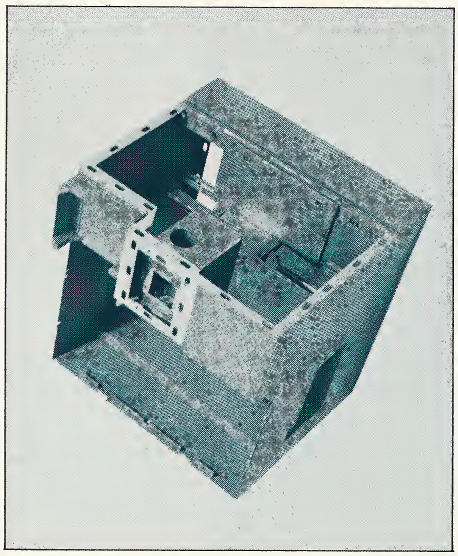
1311 Grand Central Avenue ● Glendale, California 91201 ● (213) 245-7766

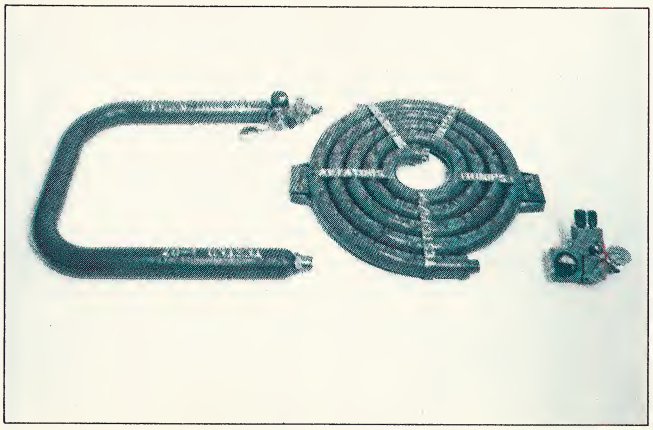
Survival kits and associated hardware designed, developed and produced by Rocket Jet Engineering Corporation have been fully tested, approved and qualified for use in aircraft carrying the flags of many nations throughout the free world as well as for inclusion in manned space capsules developed for use in this country's aerospace program. These include manual and automatic quick disconnect devices which incorporate provisions for oxygen, anti-G, vent air and electrical services; complete "hard-pack" survival systems; altitude sensing devices for automatic kit deployment; a high capacity "bail-out" oxygen unit with shut off and restart capability and a high capacity emergency oxygen system for general use.

Complete systems include a composite quick disconnect assembly supplying oxygen, communication, anti-G and full pressure suit services as well as a survival kit with integrated seat attachment hardware, all fully integrated with the aircraft. The company produces its own fiberglass packaging for completed assemblies as well as for other end users. Extensive capabilities have been developed in the use of more exotic thermoplastics such as Lexan. In order to maintain the highest levels of quality control, subassemblies for system components are also manufactured within the facilities of the company; these include multi-release assemblies and handles, pneumatic and electrical quick disconnects, high-pressure oxygen bottles, reducer assemblies, regulators and other pneumatic controls.

1. *Individual survival kit and holster.*
2. *Various personal leads disconnects.*
3. *Electronic equipment chassis.*
4. *Emergency oxygen systems.*

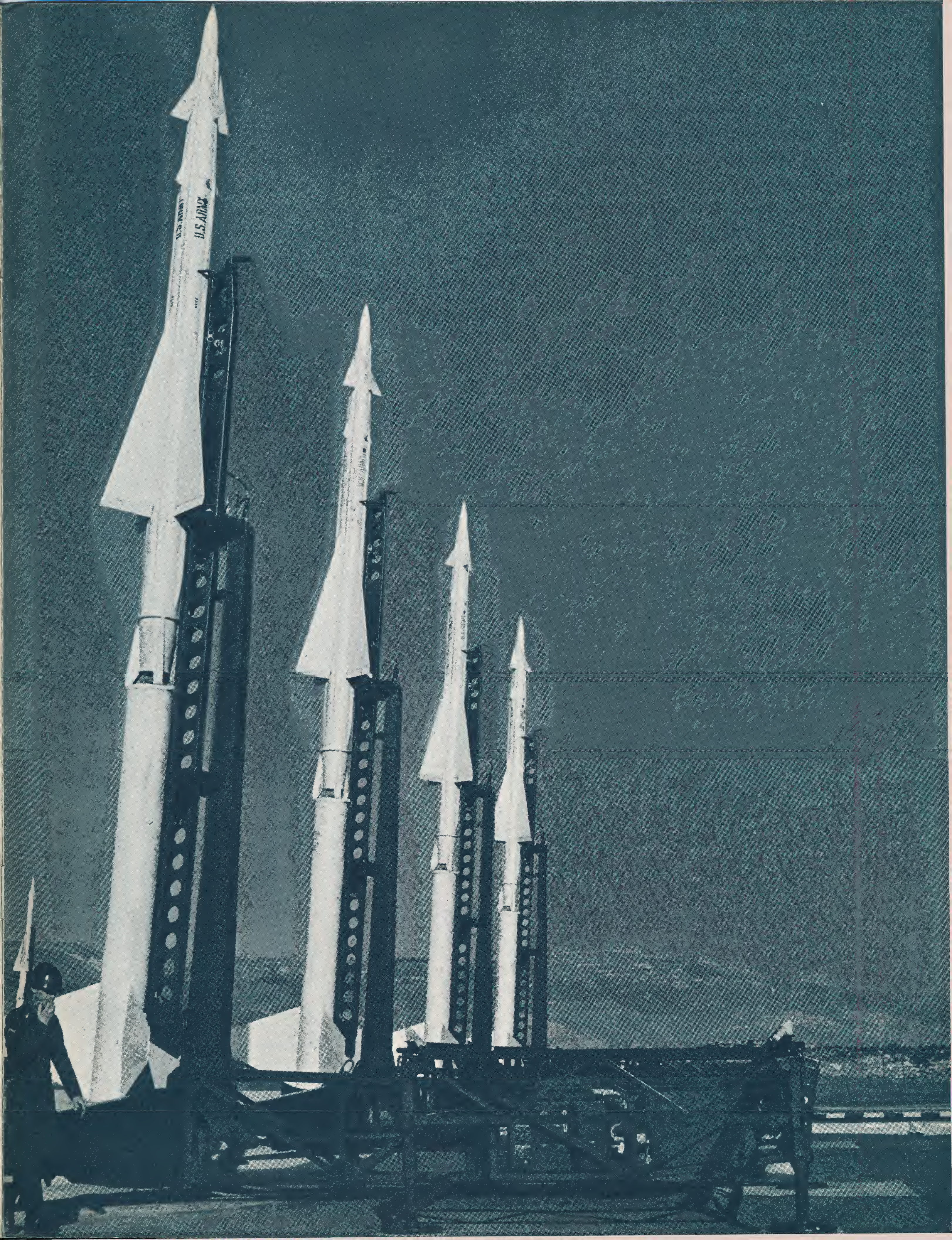






Global Systems, Inc., respectfully requests your further inquiries and investigations into its capabilities, its products and its services.

Please write to Global Systems, Inc., care of Rocket Jet Engineering Corporation, 1311 Grand Central Avenue, Glendale, California 91201 or to any of the individual addresses listed in this brochure.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